

Project Title	Funding	Strategic Plan Objective	Institution
Office of the Scientific Director	\$11,422,709	Q7.Other	National Institutes of Health
Neonatal biomarkers in extremely preterm babies predict childhood brain disorders	\$3,478,718	Q3.S.H	Boston Medical Center
ACE Network: Multimodal developmental neurogenetics of females with ASD	\$3,118,985	Q2.S.B	Yale University
Gene-environment interactions in an autism birth cohort	\$3,012,046	Q3.L.D	Columbia University
ACE Network: Early Autism Risk Longitudinal Investigation (EARLI) Network	\$2,835,202	Q3.L.A	Drexel University
ACE Network: Adaptive interventions for minimally verbal children with ASD in the community	\$2,755,427	Q4.S.G	University of California, Los Angeles
ACE Network: Early biomarkers of autism spectrum disorders in infants with tuberous sclerosis	\$2,649,781	Q1.L.A	Boston Children's Hospital
ACE Network: A comprehensive approach to identification of autism susceptibility genes	\$2,631,440	Q3.L.B	University of California, Los Angeles
ACE Network: A longitudinal MRI study of infants at risk for autism	\$2,619,590	Q2.L.A	University of North Carolina at Chapel Hill
ACE Network: Study of Oxytocin in Autism to Improve Reciprocal Social Behaviors (SOARS-B)	\$2,589,347	Q4.L.A	University of North Carolina at Chapel Hill
Pediatric brain imaging	\$2,419,583	Q2.L.A	National Institutes of Health
Genomic and epigenomic effects of large CNV in neurons from iPSC	\$2,355,000	Q2.S.G	Stanford University
Clinical and behavioral phenotyping of autism and related disorders	\$2,241,297	Q1.L.B	National Institutes of Health
Omnitec Solution for the NIMH National Database for Autism Research	\$2,204,000	Q7.H	National Institutes of Health
ACE Network: Early pharmacotherapy guided by biomarkers in autism	\$1,996,122	Q4.S.F	Wayne State University
Roles of oxytocin and vasopressin in brain	\$1,990,068	Q4.S.B	National Institutes of Health
Environment, the perinatal epigenome, and risk for autism and related disorders	\$1,976,271	Q3.S.J	Johns Hopkins University
Autism risk, prenatal environmental exposures, and pathophysiologic markers	\$1,815,424	Q3.S.C	University of California, Davis
Studies of genetic and metabolic disorders, autism and premature aging	\$1,667,480	Q4.S.B	National Institutes of Health
Functional anatomy of face processing in the primate brain	\$1,660,304	Q2.Other	National Institutes of Health
Dysregulation of protein synthesis in fragile X syndrome	\$1,117,731	Q2.S.D	National Institutes of Health
The cognitive neuroscience of autism spectrum disorders	\$1,074,095	Q2.Other	National Institutes of Health
ACE Network: Multigenerational Familial and Environmental Risk for Autism (MINERvA) Network	\$1,000,000	Q3.L.D	Mount Sinai School of Medicine
Early detection of pervasive developmental disorders	\$992,563	Q1.S.A	University of Connecticut
Animal models Of neuropsychiatric disorders	\$974,415	Q4.S.B	National Institutes of Health

Project Title	Funding	Strategic Plan Objective	Institution
Neurobehavioral research on infants at risk for SLI and autism	\$944,962	Q1.L.A	Boston University
Longitudinal MRI study of brain development in fragile X	\$901,844	Q2.S.D	Stanford University
National Database on Autism Research	\$900,000	Q7.H	Center for Information Technology
Autism genetics: Homozygosity mapping and functional validation	\$850,815	Q3.S.A	Boston Children's Hospital
Toward outcome measurement of anxiety in youth with autism spectrum disorders	\$829,922	Q1.L.B	Yale University
3/3-Multisite RCT of early intervention for spoken communication in autism	\$813,835	Q4.S.F	Kennedy Krieger Institute
Autism: Social and communication predictors in siblings	\$805,136	Q1.L.A	Kennedy Krieger Institute
Effectiveness and implementation of a mental health intervention for ASD	\$804,837	Q5.L.A	University of California, San Diego
The genetic basis of mid-hindbrain malformations	\$798,866	Q2.S.G	Seattle Children's Hospital
Using induced pluripotent stem cells to identify cellular phenotypes of autism	\$792,000	Q4.S.B	Stanford University
Animal model of genetics and social behavior in autism spectrum disorders	\$791,070	Q2.S.G	Duke University
Impact of SynGAP1 mutations on synapse maturation and cognitive development	\$789,981	Q2.Other	The Scripps Research Institute - Florida
Dissecting the neural control of social attachment	\$764,775	Q4.S.B	University of California, San Francisco
The role of germline mutation and parental age in autism spectrum disorders	\$757,596	Q3.S.C	University of California, San Diego
Software to enrich the noun lexicons and lexical learning of children with autism	\$756,189	Q4.L.D	Laureate Learning Systems, Inc.
A family-genetic study of autism and fragile X syndrome	\$751,420	Q2.S.D	Northwestern University
Intelligent data capture and assessment technology for developmental disabilities	\$744,906	Q1.S.B	Caring Technologies, Inc.
Computational characterization of language use in autism spectrum disorder	\$738,723	Q2.Other	Oregon Health & Science University
Predicting useful speech in children with autism	\$726,467	Q1.L.B	Vanderbilt University Medical Center
Novel computational methods for higher order diffusion MRI in autism	\$725,545	Q2.Other	University of Pennsylvania
Population-based autism genetics & environment study	\$723,934	Q3.L.D	Mount Sinai School of Medicine
Kinetics of drug macromolecule complex formation	\$712,921	Q2.Other	University of California, San Diego
RNA expression patterns in autism	\$710,306	Q3.L.B	Boston Children's Hospital
Social-affective bases of word learning in fragile X syndrome and autism	\$703,969	Q1.Other	University of California, Davis
Rapid phenotyping for rare variant discovery in autism	\$700,956	Q3.S.A	University of California, Los Angeles

Project Title	Funding	Strategic Plan Objective	Institution
Gene dosage imbalance in neurodevelopmental disorders	\$689,795	Q1.S.E	Weis Center for Research - Geisinger Clinic
Next generation gene discovery in familial autism	\$688,392	Q3.L.B	University of Washington
Social-emotional development of infants at risk for autism spectrum disorders	\$662,677	Q1.L.B	University of Washington
Mathematical cognition in autism: A cognitive and systems neuroscience approach	\$652,461	Q2.Other	Stanford University
Dynamic regulation of Shank3 and ASD	\$646,316	Q2.Other	Johns Hopkins University
GABRB3 and placental vulnerability in ASD	\$642,258	Q2.S.A	Stanford University
Biomarkers in Autism of Aripiprazole and Risperidone Treatment (BAART)	\$634,243	Q4.S.F	Medical University of South Carolina
Epigenetic and transcriptional dysregulation in autism spectrum disorder	\$629,805	Q3.S.J	University of California, Los Angeles
A neuroimaging study of twin pairs with autism	\$625,557	Q2.S.G	Stanford University
Human neurobehavioral phenotypes associates with the extended PWS/AS domain	\$618,967	Q3.S.J	Baylor College of Medicine
Brain bases of language deficits in SLI and ASD	\$614,180	Q2.Other	Massachusetts Institute of Technology
Genotype-phenotype relationships in fragile X families	\$612,413	Q2.S.D	University of California, Davis
Characterizing mechanistic heterogeneity across ADHD and autism	\$611,788	Q2.Other	Oregon Health & Science University
Genome-wide identification of variants affecting early human brain development	\$611,005	Q2.S.G	University of North Carolina at Chapel Hill
A longitudinal MRI study of brain development in fragile X syndrome	\$610,416	Q2.S.D	University of North Carolina at Chapel Hill
Prenatal and neonatal biologic markers for autism	\$609,792	Q3.S.C	Kaiser Foundation Research Institute
The social brain in schizophrenia and autism spectrum disorders	\$594,733	Q2.Other	Hartford Hospital
Early quantitative characterization of reciprocal social behavior	\$590,421	Q1.L.C	Washington University in St. Louis
Infants at risk of autism: A longitudinal study	\$587,150	Q1.L.A	University of California, Davis
fcMRI in infants at high risk for autism	\$584,566	Q1.L.A	Washington University in St. Louis
Language development in fragile X syndrome	\$584,381	Q2.S.D	University of California, Davis
The roles of environmental risks and GEX in increasing ASD prevalence	\$575,290	Q3.L.D	Yale University
ACE Center: Clinical Core	\$575,083	Q7.Other	Boston University
Taste, smell, and feeding behavior in autism: A quantitative traits study	\$570,508	Q2.Other	University of Rochester
Effects of chronic intranasal oxytocin	\$568,507	Q4.S.B	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
ACE Network: A longitudinal MRI study of infants at risk for autism (supplement)	\$565,115	Q2.L.A	University of North Carolina at Chapel Hill
Executive function in children with typical and atypical language abilities	\$564,177	Q2.Other	University of Wisconsin - Madison
An open resource for autism iPSCs and their derivatives	\$562,927	Q7.D	Children's Hospital of Orange County
Electronic location reporting for individuals with cognitive disabilities	\$561,963	Q4.S.H	Intellispeak, LLC
Autism spectrum disorder: Birth cohort 1976-2000, epidemiology and adult status	\$560,556	Q6.Other	Mayo Clinic
Genetic epidemiology of complex traits	\$559,192	Q3.L.B	National Institutes of Health
Sensory processing and integration in autism	\$548,158	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Function and structure adaptations in forebrain development	\$541,770	Q2.Other	University of Southern California
1/3-Multisite RCT of early intervention for spoken communication in autism	\$540,947	Q4.S.F	University of California, Los Angeles
Neurobiological correlates of language dysfunction in autism spectrum disorders	\$535,052	Q2.Other	The Mind Research Network
Cell adhesion molecules in CNS development	\$534,562	Q2.Other	The Scripps Research Institute - California
Autistic traits: Life course & genetic structure	\$531,127	Q2.S.G	Washington University in St. Louis
Administrative Core	\$529,146	Q7.Other	University of North Carolina at Chapel Hill
Characterizing the genetic systems of autism through multi-disease analysis	\$524,280	Q2.S.G	Harvard Medical School
ACE Center: Assessment Core	\$510,544	Q1.L.A	Yale University
Development of the functional neural systems for face expertise	\$507,685	Q2.Other	University of California, San Diego
Cell adhesion molecules in autism: A whole-brain study of genetic mouse models	\$485,438	Q2.Other	Cold Spring Harbor Laboratory
Identifying therapeutic targets for autism using Shank3-deficient mice	\$484,667	Q4.S.B	Mount Sinai School of Medicine
Analysis of Shank3 complete and temporal and spatial specific knockout mice	\$481,448	Q2.Other	Duke University
Function of neuroligins	\$473,710	Q2.Other	Stanford University
The ontogeny of social visual engagement in infants at risk for autism	\$473,149	Q1.L.A	Emory University
Sensory experiences in children with autism	\$472,116	Q1.Other	University of North Carolina at Chapel Hill
BDNF and the restoration of synaptic plasticity in fragile X and autism	\$470,063	Q2.S.D	University of California, Irvine
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	\$470,003	Q2.Other	Sloan-Kettering Institute for Cancer Research

Project Title	Funding	Strategic Plan Objective	Institution
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	\$464,475	Q2.Other	Cold Spring Harbor Laboratory
Autism iPSCs for studying function and dysfunction in human neural development	\$460,152	Q4.S.B	Scripps Research Institute
The effects of State and Federal insurance policies on quality of care for autism	\$450,534	Q5.S.A	Pennsylvania State University
Networked cortical responses to movement associated with ASD	\$449,700	Q2.Other	University of Washington
Sensory mechanisms and self-injury	\$447,738	Q2.S.E	University of Minnesota
Autism Registry	\$447,613	Q7.C	Group Health Cooperative
Multimedia tool for psychology graduate student ASD assessment training	\$447,062	Q1.S.A	Virtual Reality Aids, Inc.
Parenting your young child with autism: A web-based tutorial	\$443,005	Q5.L.A	Center for Psychological Consultation
ACE Network: A comprehensive approach to identification of autism susceptibility genes (supplement)	\$442,627	Q3.L.B	University of California, Los Angeles
Integrative functions of the planum temporale	\$440,810	Q2.Other	University of California, Irvine
Oxytocin receptors and social behavior	\$440,363	Q4.S.B	Emory University
Genetic and developmental analyses of fragile X mental retardation protein	\$438,391	Q2.S.D	Vanderbilt University Medical Center
Behavioral and neural processing of faces and expressions in nonhuman primates	\$435,600	Q2.Other	Emory University
1/2-Effects of parent-implemented intervention for toddlers with autism spectrum disorder	\$427,655	Q4.S.D	Florida State University
Longitudinal studies of autism spectrum disorders: 2 to 23	\$426,762	Q6.L.B	Weill Cornell Medical College
Role of Sema7A in functional organization of neocortex	\$423,750	Q2.S.D	Mount Sinai School of Medicine
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	\$419,095	Q2.S.D	Dana-Farber Cancer Institute
Glial control of neuronal receptive ending morphology	\$418,275	Q2.Other	The Rockefeller University
Restricted repetitive behavior in autism	\$416,315	Q1.L.B	University of North Carolina at Chapel Hill
1/5-Randomized trial of parent training for young children with autism	\$415,097	Q4.S.D	Yale University
Dysregulation of mTOR signaling in fragile X syndrome	\$415,000	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Molecular analysis of bipolar and schizophrenia candidate genes	\$415,000	Q3.S.J	Albert Einstein College of Medicine of Yeshiva University
Social brain networks for the detection of agents and intentions	\$414,688	Q2.Other	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT	\$411,292	Q2.S.E	Cincinnati Children's Hospital Medical Center
Social evaluation in infants and toddlers	\$409,613	Q1.L.B	Yale University
Development of face processing in infants with autism spectrum disorders	\$409,613	Q1.L.B	Yale University
Morphogenesis and function of the cerebral cortex	\$409,613	Q2.Other	Yale University
Mechanisms of mGluR5 function and dysfunction in mouse autism models	\$406,760	Q2.S.D	University of Texas Southwestern Medical Center
High throughput screen for small molecule probes for neural network development	\$405,000	Q2.Other	Johns Hopkins University
Characterization of the schizophrenia-associated 3q29 deletion in mouse	\$404,198	Q4.S.B	Emory University
Neuroendocrine regulation of metabolism and neurocognition	\$402,805	Q2.S.E	National Institutes of Health
Shank3 in synaptic function and autism	\$401,250	Q2.Other	Massachusetts Institute of Technology
Language development and outcome in children with autism	\$397,425	Q1.L.C	University of Connecticut
Striatal synaptic abnormalities in models of autism	\$397,396	Q4.S.B	University of Texas Southwestern Medical Center
Translational regulation of adult neural stem cells	\$396,944	Q2.S.D	University of Wisconsin - Madison
Motor skill learning in autism	\$395,908	Q2.Other	Kennedy Krieger Institute
Neurobiological signatures of social dysfunction and repetitive behavior	\$395,672	Q4.S.B	Vanderbilt University Medical Center
Vasopressin receptor polymorphism and social cognition	\$395,156	Q2.Other	Georgia State University
Synaptic phenotype, development, and plasticity in the fragile X mouse	\$395,134	Q2.S.D	University of Illinois at Urbana Champaign
Cellular and genetic correlates of increased head size in autism spectrum disorder	\$393,455	Q4.S.B	Yale University
A family-genetic study of language in autism	\$391,295	Q2.S.G	Northwestern University
The genetic and neuroanatomical origin of social behavior	\$391,250	Q4.S.B	Baylor College of Medicine
2/3-Multisite RCT of early intervention for spoken communication in autism	\$391,019	Q4.S.F	University of Rochester
ACE Center: Changing developmental trajectories through early treatment	\$390,669	Q4.L.D	Emory University
Allelic choice in Rett syndrome	\$390,481	Q2.S.D	Winifred Masterson Burke Medical Research Institute
Neurexin function in vivo: Implications for autism and mental retardation	\$388,575	Q4.S.B	University of Texas Southwestern Medical Center
Auditory and integrative functions of the prefrontal cortex	\$387,285	Q2.Other	University of Rochester

Project Title	Funding	Strategic Plan Objective	Institution
Neuroimaging of top-down control and bottom-up processes in childhood ASD	\$387,066	Q2.Other	Georgetown University
Typical and pathological cellular development of the human amygdala	\$385,000	Q2.Other	University of California, Davis
Treatment of Autism Symptoms in Children (TASC): Initial RCT with active control	\$385,000	Q4.Other	University of California, Los Angeles
Molecular mechanisms of the synaptic organizer alpha-neurexin	\$383,267	Q2.Other	University of Michigan
The role of MeCP2 in Rett syndrome	\$382,858	Q2.S.D	University of California, Davis
Imaging signal transduction in single dendritic spines	\$382,200	Q2.Other	Duke University
Mechanisms of stress-enhanced aversive conditioning	\$381,250	Q4.S.B	Northwestern University
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	\$380,625	Q2.S.D	Beth Israel Deaconess Medical Center
Towards an endophenotype for amygdala dysfunction	\$380,304	Q2.Other	California Institute of Technology
Neural economics of biological substrates of valuation	\$379,913	Q1.L.C	Virginia Polytechnic Institute and State University
Synaptic processing in the basal ganglia	\$377,815	Q2.Other	University of Washington
ACE Center: Testing the efficacy of a novel intervention for minimally verbal children with ASD	\$377,590	Q4.S.G	Boston University
Investigation of DUF1220 domains in human brain function and disease	\$376,668	Q3.L.B	University of Colorado Denver
Adaptive response technology for autism spectrum disorders intervention	\$371,470	Q4.Other	Vanderbilt University Medical Center
Prostaglandins and cerebellum development	\$371,250	Q2.S.A	University of Maryland, Baltimore
Linking local activity and functional connectivity in autism	\$370,304	Q2.Other	San Diego State University
Early social and emotional development in toddlers at genetic risk for autism	\$369,179	Q1.L.A	University of Pittsburgh
Exploring the neuronal phenotype of autism spectrum disorders using induced pluripotent stem cells	\$366,529	Q4.S.B	Stanford University
ACE Center: Inter-regional connectivity in the speech network of minimally verbal children	\$365,407	Q4.S.G	Boston University
Cellular density and morphology in the autistic temporal human cerebral cortex	\$363,672	Q2.Other	University of California, Davis
Molecular components of A-type K+ channels	\$363,366	Q2.S.E	New York University School of Medicine
ACE Center: Clinical Assessment Core	\$362,584	Q7.Other	Emory University
Extraction of functional subnetworks in autism using multimodal MRI	\$360,294	Q1.L.B	Yale University
Neural basis of behavioral flexibility	\$360,214	Q2.Other	Mount Sinai School of Medicine
Emergence and stability of autism in fragile X syndrome	\$358,000	Q2.S.D	University of South Carolina
Delayed motor learning in autism	\$356,598	Q4.Other	Brandeis University

Project Title	Funding	Strategic Plan Objective	Institution
Interdisciplinary training for autism researchers	\$353,885	Q7.K	University of California, Davis
The microRNA pathway in translational regulation of neuronal development	\$352,647	Q2.S.D	University of Massachusetts Medical School
Engrailed targets and the control of synaptic circuits in Drosophila	\$352,100	Q2.Other	University of Puerto Rico Medical Sciences Campus
Development of face processing expertise	\$351,984	Q2.Other	University of Toronto
Olfactory abnormalities in the modeling of Rett syndrome	\$351,575	Q2.S.D	Johns Hopkins University
Learning and plasticity in the human brain	\$351,533	Q2.Other	National Institutes of Health
2/3-Atomoxetine placebo and parent training in autism	\$350,730	Q4.S.F	The Ohio State University
Optimizing initial communication for children with autism	\$348,461	Q4.S.G	University of Massachusetts Medical School
Psychobiological investigation of the socioemotional functioning in autism	\$347,490	Q2.Other	Vanderbilt University Medical Center
Methylomic and genomic impacts of organic pollutants in Dup15q syndrome	\$346,406	Q3.S.J	University of California, Davis
The impact of Pten signaling on neuronal form and function	\$346,014	Q2.Other	Dartmouth College
The genetic control of social behavior in the mouse	\$342,540	Q4.S.B	University Of Hawai'i at Manoa
Robot child interactions as an intervention tool for children with autism	\$341,773	Q4.Other	University of Connecticut
Physiology of attention and regulation in children with ASD and LD	\$341,013	Q2.Other	Seattle Children's Hospital
Revealing protein synthesis defects in fragile X syndrome with new chemical tools	\$340,520	Q2.S.D	Stanford University
Novel statistical methods for DNA sequencing data, and applications to autism	\$339,743	Q3.L.B	Columbia University
Treatment of medical conditions among individuals with autism spectrum disorders	\$339,591	Q2.S.E	National Institutes of Health
Novel genetic models of autism	\$337,875	Q4.S.B	University of Texas Southwestern Medical Center
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	\$336,922	Q2.Other	Brandeis University
Development of a novel biomarker test for autism risk screening	\$336,569	Q1.S.A	Xen Biofluidx, Inc.
Patient iPS cells with copy number variations to model neuropsychiatric disorders	\$336,050	Q4.S.B	The Hospital for Sick Children
Molecular mechanisms linking early life seizures, autism and intellectual disability	\$333,473	Q2.S.E	University of Colorado Denver
The microstructural basis of abnormal connectivity in autism	\$332,991	Q2.Other	University of Utah
ACE Center: Predicting risk and resilience in ASD through social visual engagement	\$329,264	Q2.L.B	Emory University

Project Title	Funding	Strategic Plan Objective	Institution
Cell specific genomic imprinting during cortical development and in mouse models	\$328,975	Q3.S.J	Harvard University
Inhibitory mechanisms for sensory map plasticity in cerebral cortex	\$328,644	Q2.Other	University of California, Berkeley
Locus-specific imprinting on the mammalian X chromosome	\$327,994	Q3.S.J	University of Connecticut
Statistical analysis of biomedical imaging data in curved space	\$326,528	Q2.Other	University of North Carolina at Chapel Hill
ACE Center: Rare variant genetics, contactin-related proteins and autism	\$324,189	Q3.L.B	Yale University
Molecular dissection of calmodulin domain functions	\$321,473	Q2.Other	University of Iowa
Magnetoencephalographic studies of lexical processing and abstraction in autism	\$321,156	Q2.Other	University of Pennsylvania
Impairments of theory of mind disrupt patterns of brain activity	\$321,000	Q2.Other	Massachusetts Institute of Technology
Autoimmunity against novel antigens in neuropsychiatric dysfunction	\$320,000	Q2.S.A	University of Pennsylvania
Mechanisms of valproic acid-induced neurodevelopmental and behavioral defects	\$318,513	Q3.S.J	University of Maryland, Baltimore
Social and affective components of communication	\$317,715	Q2.Other	Salk Institute For Biological Studies
Study of fragile X mental retardation protein in synaptic function and plasticity	\$317,077	Q2.S.D	University of Texas Southwestern Medical Center
ACE Center: Neuroimaging studies of connectivity in ASD	\$315,268	Q2.Other	Yale University
NIMH IAN with the National Database for Autism Research program	\$314,266	Q7.H	National Institutes of Health
ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	\$314,068	Q2.Other	Emory University
MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	\$314,059	Q2.S.D	University of Alabama at Birmingham
Perception of social and physical contingencies in infants with ASD	\$312,944	Q1.L.B	Emory University
Caspr2 as an autism candidate gene: A proteomic approach to function & structure	\$312,000	Q2.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
Development of intermodal perception of social events: Infancy to childhood	\$310,903	Q1.L.C	Florida International University
Predicting phenotypic trajectories in Prader-Willi syndrome	\$310,752	Q2.S.D	Vanderbilt University Medical Center
Neuronal basis of vicarious reinforcement dysfunction in autism spectrum disorder	\$310,081	Q2.Other	Duke University
Regulation of 22q11 genes in embryonic and adult forebrain	\$308,631	Q2.S.D	George Washington University

Project Title	Funding	Strategic Plan Objective	Institution
Mechanisms of motor skill learning in the fragile X mouse model	\$308,138	Q2.S.D	University of Nebraska Medical Center
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	\$302,820	Q1.L.A	University of California, San Diego
ACE Center: Administration and data management	\$302,671	Q7.Other	Boston University
Cerebellar modulation of frontal cortical function	\$302,306	Q2.Other	University of Memphis
Partnering with autistic adults to develop tools to improve primary healthcare	\$300,938	Q6.L.A	Oregon Health & Science University
Imaging PTEN-induced changes in adult cortical structure and function in vivo	\$300,156	Q2.Other	University of California, Los Angeles
Preschool reading and language interventions for children with autism	\$299,795	Q4.L.D	University of Washington
1/3-Sequencing autism spectrum disorder extended pedigrees	\$299,000	Q3.L.B	University of Utah
Effects of therapeutic horseback riding on children and adolescents with autism spectrum disorders	\$298,618	Q4.S.C	University of Colorado Denver
Sensory adapted dental environments to enhance oral care for children with autism	\$296,952	Q5.L.E	University of Southern California
Do access barriers to autism care persist despite autism insurance mandate?	\$295,367	Q5.S.A	Pennsylvania State University
In vivo function of neuronal activity-induced MeCP2 phosphorylation	\$292,721	Q3.S.J	University of Wisconsin - Madison
The development of joint attention after infancy	\$291,832	Q1.L.C	Georgia State University
Insight into MeCP2 function raises therapeutic possibilities for Rett syndrome	\$290,087	Q4.S.B	University of California, San Francisco
ACE Center: Auditory perception and perceptual organization in minimally verbal children with ASD	\$288,440	Q2.L.B	Boston University
ACE Center: Eye-tracking studies of social engagement	\$287,074	Q1.L.B	Yale University
ACE Center: Gaze perception abnormalities in infants with ASD	\$286,420	Q1.L.A	Yale University
2/2-Effects of parent-implemented intervention for toddlers with autism spectrum disorder	\$284,658	Q4.S.D	Weill Cornell Medical College
Animal model of speech sound processing in autism	\$283,249	Q4.S.B	University of Texas at Dallas
ACE Center: Augmenting language interventions for ASD: A translational approach	\$281,072	Q4.L.A	University of California, Los Angeles
ACE Center: Targeting joint engagement in infants at risk for ASD: Integrating treatment with biomarkers	\$279,987	Q4.L.B	University of California, Los Angeles
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	\$278,656	Q2.S.D	University of Texas Southwestern Medical Center
Core E: Participant Recruitment & Assessment Services	\$278,269	Q7.Other	Vanderbilt University Medical Center

Project Title	Funding	Strategic Plan Objective	Institution
Contingency analyses of observing and attending in intellectual disabilities	\$276,181	Q4.S.G	University of Massachusetts Medical School
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	\$272,164	Q1.L.A	University of California, San Diego
Wireless EEG system for training attention and eye movement in ASD	\$271,250	Q4.Other	University of California, San Diego
1/3-Atomoxetine placebo and parent training in autism	\$269,976	Q4.S.F	University of Pittsburgh
Divergent biases for conspecifics as early markers for autism spectrum disorders	\$269,604	Q1.L.A	New York University
Neural synchronydysfunction of gamma oscillations in autism	\$265,073	Q2.Other	University of Colorado Denver
3/3-Atomoxetine placebo and parent training in autism	\$263,639	Q4.S.F	University of Rochester
Young development of a novel PET ligand for detecting oxytocin receptors in brain	\$261,360	Q2.Other	Emory University
EEG complexity trajectory as an early biomarker for autism	\$261,000	Q1.L.A	Boston Children's Hospital
Early pharmacotherapy guided by biomarkers in autism (supplement)	\$260,000	Q4.S.F	Wayne State University
ACE Center: Auditory mechanisms of social engagement	\$257,504	Q1.Other	Yale University
Neural mechanisms of tactile sensation in rodent somatosensory cortex	\$255,940	Q2.Other	University of California, Berkeley
Core A: Administrative Services	\$255,539	Q7.Other	Vanderbilt University Medical Center
Development of an executive function-based intervention for ASD	\$255,420	Q4.Other	Children's Research Institute
Functional circuit disorders of sensory cortex in ASD and RTT	\$254,976	Q2.S.D	University of Pennsylvania
Evaluating the time-dependent unfolding of social interactions in autism	\$252,622	Q2.Other	University of Cincinnati
Online training program for parents of children with autism spectrum disorder	\$252,339	Q5.L.A	Iris Media, Inc.
ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD	\$252,243	Q2.S.G	University of California, Los Angeles
Optimization of fidelity procedures for pivotal response training in autism	\$250,621	Q5.L.A	Children's Hospital Research Center
Modeling 5-HT-absorbing neurons in neuropathology of autism	\$250,500	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Investigating the role of CNTNAP2 gene in vocal learning in mutant songbirds	\$249,063	Q4.S.B	University of Massachusetts Medical School
Investigating brain connectivity in autism at the whole-brain level	\$249,001	Q2.Other	Indiana University

Project Title	Funding	Strategic Plan Objective	Institution
Met signaling in neural development and circuitry formation	\$249,000	Q2.Other	University of Arizona
FOXP2-regulated signaling pathways critical for higher cognitive functions	\$248,921	Q3.Other	University of Texas Southwestern Medical Center
Testing the hyperspecificity hypothesis: A neural theory of autism	\$247,018	Q2.Other	Children's Hospital of Philadelphia
Serotonin, autism, and investigating cell types for CNS disorders	\$246,794	Q4.S.B	Washington University in St. Louis
The impact of uncertainty in genome-wide testing for autism spectrum disorder	\$240,000	Q1.S.E	University of Pennsylvania
Neocortical mechanisms of categorical speech perception	\$239,255	Q2.Other	University of California, San Francisco
Training outpatient clinicians to deliver cognitive behavior therapy to children	\$238,101	Q4.S.C	University of Colorado Denver
Analyses of brain structure and connectivity in young children with autism	\$238,042	Q1.L.B	University of California, Davis
ACE Center: Diagnostic and Recruitment Core	\$236,921	Q7.Other	University of California, Los Angeles
Phase II. Digital interactive scene program for language in autism (DISPL-A)	\$236,912	Q4.S.G	Monarch Teaching Technology, Inc.
Modeling the serotonin contribution to autism spectrum disorders	\$236,532	Q4.S.B	Vanderbilt University Medical Center
5/5-Randomized trial of parent training for young children with autism	\$236,220	Q4.S.D	University of Pittsburgh
4/5-Randomized trial of parent training for young children with autism	\$235,418	Q4.S.D	Indiana University-Purdue University Indianapolis
Measuring social networks among parents and autism health care providers	\$234,000	Q5.Other	University of Chicago
ACE Center: Research Education and Training Core	\$233,017	Q7.K	University of California, Los Angeles
Influence of attention and arousal on sensory abnormalities in ASD	\$232,500	Q2.Other	University of California, San Diego
2/3-Sequencing autism spectrum disorder extended pedigrees	\$231,688	Q3.L.B	University of Washington
3/5-Randomized trial of parent training for young children with autism	\$230,655	Q4.S.D	University of Rochester
Transgenic and knockout approaches to study protocadherin function	\$228,750	Q4.S.B	The Ohio State University
Teaching skills to toddlers: A program for caregivers	\$227,719	Q5.L.A	University of Connecticut
The microstructural basis of abnormal connectivity in autism (supplement)	\$226,217	Q7.H	University of Utah
A network approach to the prediction of autism spectrum disorders	\$223,949	Q1.L.A	Indiana University

Project Title	Funding	Strategic Plan Objective	Institution
Effect of paternal age on mutational burden and behavior in mice	\$222,000	Q2.Other	University of North Carolina at Chapel Hill
Building a selective inhibitory control tone in autism: An rTMS study	\$219,780	Q4.Other	University of Louisville
Neurobiological signatures of audiovisual speech perception in children in ASD	\$217,886	Q2.Other	Haskins Laboratories, Inc.
Treatment of sleep disturbances in young children with autism	\$214,889	Q4.S.H	University of Pittsburgh
Adapting cognitive enhancement therapy for ASD	\$213,586	Q4.Other	University of Pittsburgh
2/5-Randomized trial of parent training for young children with autism	\$213,407	Q4.S.D	The Ohio State University
Service transitions among youth with autism spectrum disorders	\$212,584	Q6.L.B	Washington University in St. Louis
Metacognition in comparative perspective	\$210,561	Q2.Other	University at Buffalo, The State University of New York
Exploring interactions between folate and environmental risk factors for autism	\$208,782	Q3.S.J	University of California, Davis
Novel regulatory network involving non-coding role of an ASD candidate gene PTEN	\$208,750	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
ACE Center: Administrative Core	\$208,325	Q7.Other	University of California, Los Angeles
Core D: Clinical Neuroscience Services	\$207,706	Q7.Other	Vanderbilt University Medical Center
Diffusion tensor MR spectroscopic imaging in human brain	\$203,715	Q2.Other	University of New Mexico Health Sciences Center
The genetic control of social behavior in the mouse (supplement)	\$201,966	Q2.Other	University of Hawai'i at Manoa
ACE Center: The ontogeny of social vocal engagement and its derailment in autism	\$201,683	Q1.L.A	Emory University
ACE Center: Data Management and Analysis Core	\$201,589	Q7.Other	Yale University
Assisted reproductive technologies and increased autism risk	\$200,000	Q3.L.C	Columbia University
Decoding 'what' and 'who' in the auditory system of children with autism spectrum disorders	\$197,500	Q2.Other	Stanford University
ACE Center: Neuroimaging/Neurophysiology Core	\$195,745	Q7.Other	University of California, Los Angeles
Gene dosage imbalance in neurodevelopmental disorders (supplement)	\$195,000	Q1.S.E	Weis Center for Research - Geisinger Clinic
The neural substrates of higher-level learning in autism	\$192,500	Q2.Other	University of California, Davis
In vivo targeted gene silencing, a novel method	\$192,500	Q2.Other	Indiana University-Purdue University Indianapolis
Abnormal network dynamics and "learning" in neural circuits from Fmr1-/- mice	\$192,500	Q2.S.D	University of California, Los Angeles
Functional neuroimaging of attention in autism	\$192,365	Q2.S.E	Children's Hospital of Philadelphia

Project Title	Funding	Strategic Plan Objective	Institution
Multisensory integration in children with ASD	\$192,136	Q2.Other	University of California, Davis
ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior	\$191,823	Q2.S.G	University of California, Los Angeles
Sensor-based technology in the study of motor skills in infants at risk for ASD	\$191,070	Q1.L.A	University of Pittsburgh
The use of interactive television in identifying autism in young children	\$188,750	Q1.S.A	University of Kansas Medical Center
The Charge Study: Childhood Autism Risks from Genetics and the Environment (supplement)	\$188,012	Q3.S.C	University of California, Davis
Tooth pulp as a source for neuronal precursor cells to study neurogenetic disorders	\$187,344	Q4.S.B	University of Tennessee Health Science Center
ACE Center: Neural assays and longitudinal assessment of infants at very high risk for ASD	\$186,019	Q1.L.A	University of California, Los Angeles
Autism: Neuropeptide hormones and potential pathway genes	\$185,338	Q2.S.G	University of Illinois at Urbana Champaign
Developing the autism model of implementation for ASD community providers	\$185,333	Q5.L.A	San Diego State University
Regulation of spine morphogenesis by NrCAM	\$185,000	Q2.Other	University of North Carolina at Chapel Hill
A neural model of fronto-parietal mirror neuron system dynamics	\$183,960	Q2.Other	University of Maryland, College Park
Pharmacotherapy of pervasive developmental disorders	\$182,830	Q4.L.C	Indiana University-Purdue University Indianapolis
Longitudinal characterization of functional connectivity in autism	\$182,352	Q2.L.A	University of Utah
Sensory based CNS diagnostics for the clinic	\$181,885	Q1.S.B	University of North Carolina at Chapel Hill
Developmental social neuroscience in infants at-risk for autism	\$181,367	Q1.L.C	Yale University
Neural predictors of language function after intervention in children with autism	\$181,332	Q1.L.B	University of California, Los Angeles
Auditory processing training: A novel treatment for sound hypersensitivities in autism	\$181,154	Q4.S.C	Cognionics
Pathophysiology of MECP2 spectrum disorders (Career Development Award Proposal)	\$179,981	Q2.S.D	Baylor College of Medicine
Reducing barriers to autism care in Latino children	\$179,521	Q1.S.C	Oregon Health & Science University
Developing a novel treatment for restricted inflexible behavior	\$178,061	Q4.Other	University of Florida
Genetic dissection of restricted repetitive behavior (RRB)	\$177,736	Q2.S.G	Seattle Children's Hospital
Activity-dependent phosphorylation of MeCP2	\$177,055	Q2.S.D	Harvard Medical School
Young development of a novel PET ligand for detecting oxytocin receptors in brain (supplement)	\$176,000	Q2.Other	Emory University

Project Title	Funding	Strategic Plan Objective	Institution
EEG-based assessment of functional connectivity in autism	\$175,042	Q2.Other	Kennedy Krieger Institute
Structural and functional connectivity of large-scale brain networks in autism	\$168,978	Q2.Other	Stanford University
Identification of candidate genes at the synapse in autism spectrum disorders	\$168,839	Q2.Other	Yale University
Translational developmental neuroscience of autism	\$168,116	Q1.L.B	New York University School of Medicine
Multimodal brain imaging in autism spectrum disorders	\$167,832	Q2.Other	University of Washington
Neurobehavioral investigation of tactile features in autism spectrum disorders	\$162,666	Q2.Other	Vanderbilt University Medical Center
Functional neuroimaging of psychopharmacologic intervention for autism	\$162,369	Q2.L.B	University of North Carolina at Chapel Hill
The intersection of autism and ADHD	\$160,519	Q1.L.B	Washington University in St. Louis
3/3-Sequencing autism spectrum disorder extended pedigrees	\$160,000	Q3.L.B	University of Pennsylvania
Structural and functional neuroimaging of the auditory system in autism	\$157,905	Q2.Other	Children's Hospital of Philadelphia
Motor control and cerebellar maturation in autism	\$157,148	Q2.Other	University of Texas Southwestern Medical Center
Sex differences in early brain development; Brain development in Turner syndrome	\$155,873	Q2.S.D	University of North Carolina at Chapel Hill
Multimodal imaging of social brain networks in ASD	\$150,036	Q2.Other	San Diego State University
Sensory integration and language processing in autism	\$149,556	Q1.L.C	University of Rochester
Grammatical development in boys with fragile X syndrome and autism	\$148,500	Q2.S.D	University of Wisconsin - Madison
Novel metabolic biomarker for autism spectrum disorder	\$148,327	Q1.S.E	Greenwood Genetic Center
Functional analysis of rare variants in genes associated with autism	\$146,625	Q4.S.B	Yale University
Defining the electrophysiological dynamics of the default mode network	\$146,025	Q2.Other	University of Washington
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	\$145,757	Q2.Other	University of California, Los Angeles
Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	\$144,100	Q2.Other	Florida International University
Risk and resiliency for youth with autism during the transition to adulthood	\$142,194	Q6.S.A	Vanderbilt University Medical Center
Development of ventral stream organization	\$137,338	Q2.Other	University of Pittsburgh
Intersensory perception of social events: Typical and atypical development	\$134,355	Q1.L.C	Florida International University
Functional imaging of flexibility in autism: Informed by SLC6A4	\$132,748	Q2.S.G	Children's Hospital of Philadelphia

Project Title	Funding	Strategic Plan Objective	Institution
MicroRNAs in synaptic plasticity and behaviors relevant to autism	\$131,220	Q2.S.D	Massachusetts General Hospital
Electrophysiological correlates of cognitive control in autism	\$130,898	Q1.L.B	University of California, Davis
Prenatal and neonatal biologic markers for autism (supplement)	\$129,464	Q3.S.C	Kaiser Foundation Research Institute
Identifying therapeutic targets for autism using Shank3-deficient mice (supplement)	\$121,077	Q4.S.B	Mount Sinai School of Medicine
Characterizing the genetic systems of autism through multi-disease analysis (supplement)	\$120,328	Q2.S.G	Harvard Medical School
New experimental medicine studies: Fast-Fail Trials in autism spectrum disorders	\$115,889	Q4.L.A	University of California, Los Angeles
ACE Center: Administrative Core	\$114,622	Q7.Other	Yale University
Neuroimaging of top-down control and bottom-up processes in childhood ASD (supplement)	\$111,600	Q2.Other	Georgetown University
The computational basis of theory of mind in the human brain	\$103,965	Q2.Other	California Institute of Technology
Cognitive control of emotion in autism	\$102,638	Q2.Other	University of Pittsburgh
Neuroimmunologic investigations of autism spectrum disorders (ASD)	\$101,877	Q2.S.F	National Institutes of Health
Neural synchronydysfunction of gamma oscillations in autism (supplement)	\$100,386	Q2.Other	University of Colorado Denver
Novel genetic models of autism (supplement)	\$99,773	Q4.S.B	University of Texas Southwestern Medical Center
Training in translational social neuroscience	\$98,163	Q4.S.B	Emory University
ACE Center: Data Management and Analysis Core	\$97,824	Q7.Other	Emory University
Bayesian variable selection in generalized linear models with missing variables	\$95,377	Q2.Other	Hunter College (City University of New York)
Complex genetic architecture of chromosomal aberrations in autism	\$92,917	Q3.L.B	Massachusetts General Hospital
Linking local activity and functional connectivity in autism (supplement)	\$92,508	Q2.Other	San Diego State University
Novel candidate mechanisms of fragile X syndrome	\$92,448	Q2.S.D	Yale University
ACE Center: Research, training and education	\$91,207	Q7.K	Boston University
Electrophysiological response to executive control training in autism	\$89,670	Q2.Other	University of Washington
Investigating brain connectivity in autism at the whole-brain level	\$88,508	Q2.Other	California Institute of Technology
Self-regulation and sleep in children at risk for autism spectrum disorders	\$87,899	Q2.S.E	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Emergence and stability of autism in fragile X syndrome (supplement)	\$87,314	Q2.S.D	University of South Carolina
Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	\$84,775	Q2.Other	Massachusetts Institute of Technology
Hypocholesterolemic autism spectrum disorder	\$84,549	Q3.L.B	National Institutes of Health
Pivotal response treatment for infants at risk for ASD: A pilot intervention	\$83,000	Q4.L.B	Yale University
Components of limited activity monitoring in toddlers with ASD	\$82,896	Q1.L.B	Yale University
Assessing interactive avatars for use with children with autism	\$76,800	Q4.Other	Carnegie Mellon University
Customized representations promote language learning for older learners with ASD	\$76,500	Q4.S.G	University of Delaware
Animal-assisted intervention for children with autism spectrum disorder	\$75,007	Q4.L.D	Purdue University
Cultural equivalence of autism assessment for Latino children	\$74,250	Q1.S.B	University of Wisconsin - Madison
OCT blockade to restore sociability in 5-HT transporter knock-out mice	\$74,250	Q4.S.B	University of Texas Health Science Center at San Antonio
Autism in older adults: A pilot, descriptive study	\$74,000	Q6.S.A	University of North Carolina at Chapel Hill
ACE Center: Administrative Core	\$73,923	Q7.Other	Emory University
Visual attention and fine motor coordination in infants at risk for autism	\$73,123	Q1.L.A	University of Connecticut
Dysregulation of mTOR signaling in fragile X syndrome (supplement)	\$72,034	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
FOXP2-regulated signaling pathways critical for higher cognitive functions (supplement)	\$66,686	Q3.Other	University of Texas Southwestern Medical Center
The effects of autism on the sign language development of deaf children	\$59,419	Q2.Other	Boston University
Role of GluK6 in cerebella circuitry development	\$58,442	Q2.Other	Yale University
ACE Center: Research Training and Education Core	\$58,382	Q7.K	Emory University
Functional properties and directed connectivity in the face-processing network	\$55,670	Q2.Other	Yale University
Multimodal studies of executive function deficits in autism spectrum disorders	\$54,570	Q2.Other	Massachusetts General Hospital
Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination	\$53,942	Q2.S.D	University of Texas Southwestern Medical Center
Rapid characterization of balanced genomic rearrangements contributing to autism	\$53,942	Q3.L.B	Massachusetts General Hospital
Role of neuronal migration genes in synaptogenesis and plasticity	\$52,190	Q2.Other	Weill Cornell Medical College

Project Title	Funding	Strategic Plan Objective	Institution
Cortical dynamics in autism	\$52,190	Q2.Other	New York University
Population genetics to improve homozygosity mapping and mapping in admixed groups	\$52,190	Q3.L.B	Harvard Medical School
Sensory experiences in children with autism (supplement)	\$51,920	Q1.Other	University of North Carolina at Chapel Hill
Validity of an anxious subtype in autism spectrum disorders	\$50,294	Q1.L.B	University of California, Los Angeles
Amygdala connectivity in autism spectrum disorder	\$49,934	Q2.L.A	University of California, Davis
Understanding the role of Epac2 in cognitive function	\$47,232	Q2.Other	Northwestern University
Identification of genetic pathways that regulate neuronal circuits in C. elegans	\$47,114	Q2.Other	University of California, San Diego
Behavioral, fMRI, and anatomical MRI investigations of attention in autism	\$47,114	Q2.Other	Massachusetts Institute of Technology
Functional role of IL-6 in fetal brain development and abnormal behavior	\$42,232	Q2.Other	California Institute of Technology
Molecular controls over callosal projection neuron subtype specification and diversity	\$42,232	Q2.Other	Harvard University
Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments	\$42,232	Q2.S.D	Yale University
High throughput sequencing of autism spectrum disorder (ASD) endophenotypes	\$39,432	Q2.S.G	Baylor College of Medicine
Social-emotional development of infants at risk for autism spectrum disorders (supplement)	\$39,002	Q1.L.B	University of Washington
Investigating the homeostatic role of MeCP2 in mature brain	\$35,832	Q2.S.D	Baylor College of Medicine
Robot child interactions as an intervention tool for children with autism (supplement)	\$35,325	Q7.H	University of Connecticut
Integrative functions of the planum temporale (supplement)	\$34,768	Q2.Other	University of California, Irvine
Mechanism of UBE3A imprint in neurodevelopment	\$34,439	Q2.S.D	University of California, Davis
Trial of a glutamate antagonist in the treatment of OCD and autistic disorders	\$33,959	Q4.L.A	National Institutes of Health
Presynaptic regulation of quantal size by the cation/H ⁺ exchangers NHE6 & NHE9	\$33,932	Q2.Other	University of California, Berkeley
Statistical word learning and non-social visual attention in children with autism	\$33,148	Q2.Other	University of Wisconsin - Madison
Neural mechanisms of imitative behavior: Implications for mental health	\$33,128	Q2.Other	University of California, Los Angeles
L-type calcium channel regulation of neuronal differentiation	\$33,002	Q2.S.D	Stanford University
Sensitive periods in cerebellar development	\$32,941	Q2.S.A	University of Maryland, Baltimore

Project Title	Funding	Strategic Plan Objective	Institution
Cortactin and spine dysfunction in fragile X	\$32,875	Q2.S.D	University of California, Irvine
Homeostatic regulation of presynaptic function by dendritic mTORC1	\$32,747	Q2.Other	University of Michigan
Investigation of sex differences associated with autism candidate gene, Cyfip1	\$32,413	Q2.S.B	University of California, Los Angeles
The striatal circuitry underlying autistic-like behaviors	\$31,975	Q2.Other	Duke University
Elucidation of the developmental role of Jakmip1, and autism-susceptibility gene	\$31,474	Q2.Other	University of California, Los Angeles
Modulation of RhoA signaling by the mRNA binding protein hnRNPQ1	\$30,912	Q2.Other	Emory University
Project 2: Immunological susceptibility of autism (supplement)	\$30,784	Q2.S.A	University of California, Davis
Core C: Analytical Core (supplement)	\$30,784	Q7.Other	University of California, Davis
Core B: Outreach and Translation (supplement)	\$30,783	Q7.Other	University of California, Davis
Core D: Molecular Genomics Core (supplement)	\$30,783	Q7.Other	University of California, Davis
Core E: Statistical Analysis Core (supplement)	\$30,783	Q7.Other	University of California, Davis
Transcriptional regulators in normal human brain development and autism	\$30,002	Q2.Other	University of California, Los Angeles
Reducing obesity risk in children with developmental disabilities	\$29,999	Q5.L.D	Temple University
Pragmatics and semantics in autism spectrum disorder	\$29,155	Q2.Other	City University of New York Graduate School and University Center
Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	\$27,814	Q2.Other	Brandeis University
The neural bases of top-down attentional control in autism spectrum disorders	\$27,578	Q2.Other	City College of New York
Regulation of 22q11 genes in embryonic and adult forebrain (supplement)	\$24,262	Q2.S.D	George Washington University
Project 1: Effect of multi-level environmental exposure on birth outcomes	\$23,798	Q3.S.C	University of California, Berkeley
Elucidating the function of class 4 semaphorins in GABAergic synapse formation (supplement)	\$23,015	Q2.Other	Brandeis University
Autism Registry (supplement)	\$20,045	Q7.C	Group Health Cooperative
The neural substrates of social interactions	\$15,865	Q2.Other	University of Iowa
2012 Fragile X and Autism-Related Disorders: From Basic Neuroscience to Improved	\$15,000	Q7.K	Gordon Research Conferences
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT (supplement)	\$14,596	Q2.S.E	Cincinnati Children's Hospital Medical Center
The role of intracellular metabotropic glutamate receptor 5 at the synapse	\$13,400	Q2.S.D	Washington University in St. Louis

Project Title	Funding	Strategic Plan Objective	Institution
Extended tracking of single synaptic proteins with upconverting nanoparticles	\$10,819	Q2.Other	University of California; Lawrence Berkeley National Laboratory
Environmentally Triggered Neurodevelopmental Disorders: Focus on Endocrine Disruption and Sex Differences in Autism, ADHD, and Schizophrenia	\$3,000	Q7.K	University of Arkansas for Medical Sciences
The effects of autism on the sign language development of deaf children (supplement)	\$1,188	Q2.Other	Boston University

